

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Yelena Goldin

GENERAL INFORMATION:

Name:	Bucyrus
Address:	1140 Levee Rd Mt. Sterling, KY 40353
Date application received:	10/24/2008
SIC Code/SIC description:	3532, Mining Machinery and Equipment, Except Oil and Gas Field Machinery and Equipment
Source ID:	21-173-00045
Agency Interest:	102520
Activity:	APE20080001
Permit:	F-08-036

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
__ Non-Attainment	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
__ PSD	<input type="checkbox"/> CAM	
__ Netted out of PSD/NSR		
__ Not major modification per 401 KAR 51:001, 1(116)(b)		

MISCELLANEOUS:

☐ Acid rain source
☐ Source subject to 112(r)
☒ Source applied for federally enforceable emissions cap
☐ Source provided terms for alternative operating scenarios
☐ Source subject to a MACT standard
☐ Source requested case-by-case 112(g) or (j) determination
☐ Application proposes new control technology
☒ Certified by responsible official
☒ Diagrams or drawings included
☐ Confidential business information (CBI) submitted in application
☐ Pollution Prevention Measures
☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)***	Potential (tpy)	Allowable (tpy)
PM/PM ₁₀	0.0002	0.3	NA
Ethyl benzene	2.35	9.9	<9*
Xylene	0.1	56	<9*
Toluene	0.04	28	<9*
VOC	0.51	126.9	<20**
Styrene	0.01	5	NA
Source wide HAPs	2.5	98.9	<22.5*

*Conditional major emissions limitations

**Limitations to preclude 401 KAR 59:225, Section 6(3)

***Based on the estimated number and types of parts to be painted as well as paint consumption in Milwaukee, WI sister plant.

SOURCE DESCRIPTION:

On October 24, 2008, the source applied to the Division for the construction/operation of their facility in Mt. Sterling, Kentucky.

Bucyrus is a field service branch that services, repairs, constructs and relocates surface mining equipment, which includes draglines, shovels, and drills. When a piece of equipment fails in the field, workers go out and either repair the equipment in the field or bring it back to the shop and repair it in-house. Bucyrus is planning to start aiding their manufacturing facility in Milwaukee, WI, which would include fabrication work. Depending on the workload from their corporate facility, the company may have to start painting components using paints with high VOC content.

Potential emissions of toluene and xylene, hazardous air pollutants (HAP), from the new facility will exceed 10 tons per year. Potential emissions of VOC from coating and clean-up will exceed 100 tons per year. Thus, the Bucyrus facility will be classified as a major source under the Title V permit program. In addition, regulation 401 KAR 59:225 is applicable to their surface coating operations.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

In order to preclude Title V applicability and Section 6(3) of 401 KAR 59:225, permittee has opted to limit its VOC emissions to less than 20 tons per year. The source have accepted Conditional Major limits on individual and combined hazardous air pollutant (HAP) emissions.

OPERATIONAL FLEXIBILITY:

There are no alternate operating scenarios in this permit.